

210015

DT05 Rec'd PCT/PTO 10 FEB 2005

## APPARATUS FOR CARRYING A MUNITIONS CONTAINER

## TECHNICAL FIELD

**[0001]**The invention concerns an apparatus for carrying a munitions container. Such munitions containers or munitions packages are provided for the carrying of munitions, for example from large munitions containers manually to the supply containers located at the guns. For this manual transport the munitions containers are for example provided with carrying grips so that they have to be carried with one or two hands. On ships this manual transport cannot be carried out without danger because for example with the sea motion and/or in the case of narrow steep steps the hands of the transport personnel must remain free.

## ILLUSTRATION OF THE INVENTION

**[0002]**The invention therefore has as its object the provision of a device suitable for the manual transport of munitions containers on ships and which in the case of narrow conditions requires little space.

**[0003]**This object is solved by the features given in claim 1.

**[0004]**The dependent claims disclose further advantageous developments of the invention.

**[0005]**The basis of the invention lies in the idea of providing a band as the transport element on a munitions container, which band at one end is permanently connected with the munitions container and which with its other end is detentably insertable into several detent positions of the containers to provide a variable useful length of band for the transport.

**[0006]**In an advantageous way, this makes possible a carrying device essentially in the form of a carrying band which leaves the hands free during

transport. The transport of the munitions containers takes place for example on the backs. In a further advantageous way a simple manipulation of the transport band from out of a stored position into an ergonomically adjustable transport position is possible. For the carrying device no additional space is necessary at the munitions container because the carrying device is completely integrated into the packaging of the munitions container.

#### BRIEF DESCRIPTION OF THE DRAWINGS

**[0007]**The invention is explained in more detail by way of an exemplary embodiment illustrated in the Figures.

**[0008]**The Figures are:

Fig. 1. A transport container with a carrying band in transport position;

Fig. 2. A view taken in the direction of the arrow II of Fig. 1;

Fig. 3. A view taken in the direction of the arrow III of Fig. 1.

#### WAYS FOR CARRYING OUT THE INVENTION

**[0009]**The munitions container illustrated in Figs. 1-3 has two container halves 12, 13 which are capable of being pivotally opened by means of a pivotal connection 17 and which serve for the manual transport of for example non-illustrated medium caliber munitions, for example 27mm, on ships, preferably from the storage location to the marine light guns (MLG).

**[0010]**So that the munitions container 11 can transported manually without the use of hands, for example on backs in narrow space conditions, especially on

stairs and gangways, without difficulty even in the case of rough seas, as a transport element, a variably adjustable band 2 is provided. This band 2 at one end 10 is permanently connected with the munitions container 1, while its other loose end 11 can be detentably inserted into several detent positions 4, 5, 9 of the container 1.

**[0011]** Both ends 10, 11 of the band are each provided, for example, with a for example cylindrical toggle bar 3. The toggle bar 3 at the permanently fastened band end 10 is permanently connected with one container half - the outer side 12 - by being received in a recess conforming to the toggle bar 3, with this recess being arranged near one end of this container longitudinal side.

**[0012]** The detent positions 4, 5 and 9 are located on the outer side 13 of the other container half. So that the loose end 11 of the band 2 can be received by these detent positions an opening 14 for the band 2 is provided which begins at the outer side of the container half 12 and ends at the outer side of the other container half 13. This opening 14 is located at the end of the container opposite to that of the permanent connection 10 and provides the band 2 with the possibility of proceeding from the outer side of the one container half 12 to the detent positions 4, 5, 9 of the other container half 13.

**[0013]** The detent positions 4, 5 and 9 are so arranged that the band 2 upon insertion into the detent position 9 forms an ergonomically good carrying loop 16 on the container half 12. Upon insertion into the detent position 4 the band 2 forms no loop and lies entirely on the outer sides of the container halves 12, 13.

**[0014]** The detent position 9 is located at the outlet of the opening 14 on the outer side of the container half 13 while the detent position 4 is likewise located on the container half 13 oppositely to the permanent connection 10. Other detent positions 5 can be provided between the detent positions 4 and 9 in order

for example to make and use other loop shapes and loop sizes. The detent positions 4, 5 and 9 are likewise suited to the shape of the toggle bar 3 with the detent positions being so formed that the toggle bar 3 can be easily snapped into a detent position and will hold that position until a desired change is wanted.

**[0015]**The band 2 can lie in recesses 6, 7 on the outer sides of each container half so that upon insertion into the detent position 4 the band is completely integrated with the two halves of the munitions container 1, so that for example a good stackability of these containers is achieved.

**[0016]**So that the band for adjustment of the detent position can be easily removed from the recesses 6, 7 and moved for example to a transport position 15, the outer sides of the container halves 12, 13 each include a gripping depression 8.

**[0017]**The band consists preferably of a flat textile band and therefore is easily handled.

**[0018]**By the locations of the detent positions 4 and 9 the band in the transport position 15 forms a loop 16, the axially span length of which corresponds nearly to the entire container length so that the size of this loop assures a secure transport, especially on the backs of personnel.

**[0019] Reference Number List**

1. Munitions container
2. Band/Carrying band
3. Toggle bar
4. Detent position
5. Detent position
6. Recess
7. Recess
8. Gripping depression
9. Detent position
10. End (permanent)
11. End (loose)
12. Container half/outer side
13. Container half/outer side
14. Opening
15. Transport position
16. Loop
17. Pivotal connection